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| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 | | ATTORNEY'S DOCKET NUMBER 08228/068001 |
| | | U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/518148 |
| INTERNATIONAL APPLICATION NO. PCT/JP2004/005475 | INTERNATIONAL FILING DATE 16 April 2004 | PRIORITY DATE CLAIMED 16 April 2004 |
| TITLE OF INVENTION GALLIUM-NITRIDE-BASED LIGHT-EMITTING APPARATUS | | |
| APPLICANT(S) FOR DO/EO/US Hisao Sato et al. | | |

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

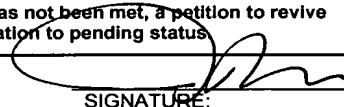
- ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
- ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
- ☒ This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.
- ☐ The US has been elected (Article 31).
- ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
 - ☐ is attached hereto (required only if not communicated by the International Bureau).
 - ☒ has been communicated by the International Bureau.
 - ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
- ☒ An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).
 - ☒ is attached hereto.
 - ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
- ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
 - ☐ are attached hereto (required only if not communicated by the International Bureau).
 - ☐ have been communicated by the International Bureau.
 - ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - ☐ have not been made and will not be made.
- ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
- ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
- ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

Items 11 to 20 below concern document(s) or information included:

- ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
- ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
- ☐ A preliminary amendment.
- ☒ An Application Data Sheet under 37 CFR 1.76.
- ☐ A substitute specification.
- ☐ A power of attorney and/or change of address letter.
- ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
- ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
- ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
- ☒ Other items or information: Return Receipt Postcard; International Search Report; Written Opinion; Copy of PCT Request; Form PCT/RO/105; Form PCT/IB/301

22511
PATENT TRADEMARK OFFICE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| | | | | | |
|--|-----------------------------|---|------------|--|-----------------|
| U.S. APPLICATION NO. (known as 37 CFR 1.51) <div style="font-size: 24pt; font-weight: bold; margin-top: 5px;">10/518148</div> | | INTERNATIONAL APPLICATION NO. PCT/JP2004/005475 | | ATTORNEY'S DOCKET NUMBER 08228/068001 | |
| 21. The following fees are submitted: | | | | | |
| <input checked="" type="checkbox"/> | a) Basic national fee | | | \$300.00 | |
| <input checked="" type="checkbox"/> | b) Examination fee | | | \$200.00 | |
| <input checked="" type="checkbox"/> | c) Search fee | | | \$500.00 | |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$1000.00 | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | |
| Total Sheets | Extra sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE | | |
| 19 - 100 = | /50 = | | x \$250.00 | | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)). | | | | \$ | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | |
| Total claims | 8 - 20 = | | x | \$ | 0.00 |
| Independent claims | 1 - 3 = | | x | \$ | 0.00 |
| MULTIPLE DEPENDENT CLAIM(s) (if applicable) | | | + | 360.00 | \$ 360.00 |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$ | 1,360.00 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. | | | | \$ | |
| SUBTOTAL = | | | | \$ | 1,360.00 |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)). | | | | + | \$ |
| TOTAL NATIONAL FEE = | | | | \$ | 1,360.00 |
| Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property | | | | + | \$ 40.00 |
| TOTAL FEES ENCLOSED = | | | | \$ | 1,400.00 |
| | | | | Amount to be refunded: | \$ |
| | | | | Amount to be charged: | \$ |
| a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. | | | | | |
| b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. | | | | | |
| c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>50-0591</u> . A duplicate copy of this sheet is enclosed. | | | | | |
| d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. | | | | | |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status. | | | | | |
| SEND ALL CORRESPONDENCE TO: | | | | | |
| SIGNATURE:  | | | | | |
| NAME: Jonathan P. Osha | | | | | |
| REGISTRATION NUMBER: 33,986 | | | | | |
| CUSTOMER NUMBER: 22511 | | | | | |

10/518148

DTT ec'd PCT/PTO 17 DEC 2004

PTO/SB/17 (12-04)

Approved for use through 7/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number.

| | | | | |
|---|------|--------------------------|-----------------------|--------------|
| Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818). FEE TRANSMITTAL For FY 2005 | | Complete if Known | | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27 | | Application Number | Not Yet Assigned | |
| | | Filing Date | Concurrently Herewith | |
| | | First Named Inventor | Hisao Sato | |
| | | Examiner Name | Not Yet Assigned | |
| | | Art Unit | N/A | |
| TOTAL AMOUNT OF PAYMENT | (\$) | 1,400.00 | Attorney Docket No. | 08228/068001 |

METHOD OF PAYMENT (check all that apply)

☐ Check ☒ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☒ Deposit Account Deposit Account Number: 50-0591 Deposit Account Name: Osha & May L.L.P.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or any underpayment of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

| Application Type | FILING FEES | | SEARCH FEES | | EXAMINATION FEES | | Fees Paid (\$) |
|------------------|-------------|-----------------------|-------------|-----------------------|------------------|-----------------------|----------------|
| | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | Fee (\$) | Small Entity Fee (\$) | |
| Utility | 300 | 150 | 500 | 250 | 200 | 100 | |
| Design | 200 | 100 | 100 | 50 | 130 | 65 | |
| Plant | 200 | 100 | 300 | 150 | 160 | 80 | |
| Reissue | 300 | 150 | 500 | 250 | 600 | 300 | |
| Provisional | 200 | 100 | 0 | 0 | 0 | 0 | |

2. EXCESS CLAIM FEES

| Fee Description | Fee (\$) | Small Entity Fee (\$) |
|---|----------|-----------------------|
| Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent | 50 | 25 |
| Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent | 200 | 100 |
| Multiple dependent claims | 360 | 180 |

| Total Claims | Extra Claims | Fee (\$) | Fee Paid (\$) | Multiple Dependent Claims | Fee (\$) | Fee Paid (\$) |
|--------------|--------------|----------|---------------|---------------------------|----------|---------------|
| 8 | - 20 = | x | = | | | |

| Indep. Claims | Extra Claims | Fee (\$) | Fee Paid (\$) |
|---------------|--------------|----------|---------------|
| 1 | - 3 = | x | = |

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof | Fee (\$) | Fee Paid (\$) |
|--------------|--------------|--|--------------------------------|---------------|
| 19 | - 100 = | /50 | (round up to a whole number) x | = |

4. OTHER FEE(S)

| | Fees Paid (\$) |
|--|----------------|
| Non-English Specification, \$130 fee (no small entity discount) | |
| Other: | |
| 1631 Basic National Stage fee | 300.00 |
| 1632 National Stage search fee | 500.00 |
| 1633 National Stage examination fee | 200.00 |
| 8021 National Stage recording each patent assignment, agreement or other ... | 40.00 |
| 1616 National Stage claims - multiple dependent | 360.00 |

SUBMITTED BY

| | | | | | |
|-------------------|------------------|-----------------------------------|--------|-----------|-------------------|
| Signature | | Registration No. (Attorney/Agent) | 33,986 | Telephone | (713) 228-8600 |
| Name (Print/Type) | Jonathan P. Osha | | | Date | December 17, 2004 |

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV576720448US, in an envelope addressed to: MS PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: December 17, 2004

Signature:  (Toni A. Hill)22511
PATENT TRADEMARK OFFICE

Application No. (if known):

Attorney Docket No.: 08228/068001

Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV576720448US in an envelope addressed to:

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Alexandria, VA 22313-1450

on December 17, 2004
Date


Signature

Toni A. Hill

Typed or printed name of person signing Certificate

Registration Number, if applicable

713-228-8600
Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Fee Transmittal (2 pages)
Application Data Sheet
Return Receipt Postcard; International Search Report; Written Opinion;
Copy of PCT Request; Form PCT/RO/105; Form PCT/IB/301
English language translation of the International application
Oath or declaration of the inventor(s)
Transmittal Letter to the United States Designated-Elected Office (2 pages)
Assignment
Information Disclosure Statement
IDS Citation by Applicant (12 references)
Payment by credit card. Form PTO-2038 is attached
Charge \$1,400.00 to credit card